

ABSTRACT

A method for resynchronizing a primary volume in a primary system and a secondary volume in a secondary system over a network includes, when a network connection between the primary system and the secondary system is interrupted, creating a snapshot of the primary volume and determining data updates transmitted from the primary system to the secondary system that were not acknowledged by the secondary system. The method further comprises, when the network connection is reestablished, determining differences between the snapshot and the primary volume, transmitting the differences and the unacknowledged data updates from the primary system to the secondary system, and updating the secondary volume with the differences and the unacknowledged data, wherein the secondary volume becomes an updated copy of the primary volume.